

INDEPENDENT RESURVEY OF THE LINES OF U. S. SURVEYS NO. 2082, 2083,

2647 and 2645 THAT ARE IDENTICAL WITH THE TOWNSITE BOUNDARY

SITUATED

ON THE NORTHEASTERLY SHORE OF KOTZEBUE SOUND AT THE NORTHWEST TIP OF

BALDWIN PENINSULA

IN

Latitude 66° 54' 01.56" N. Longitude 162° 35' 18.2" W.

At U. S. Location Monument No. 2082

Of the Meridian,

~~DEPT~~ TERRITORY OF ALASKA

EXECUTED BY

JOHN M. SHORT, CADASTRAL ENGINEER

Special instructions dated June 13, 1951, which provided

Survey
surveys included under ~~Group~~ No. 2863 A & B, approved July 5, 1951

General instructions dated June 15, 1951.

Survey commenced July 5, 1951

Survey completed August 16, 1951.

terval is ascertained by the use of the transit circle, and the horizontal equivalents entered in the field note record. Lengths of lines of the townsite boundary are converted to chains to the nearest hundredth of a link.

The geographical position of the survey is computed from a tie to U. S. Coast and Geodetic Survey Station "Kotzebue Astro" located near the survey.

On July 12, 1951, at U. S. Location Monument No. 2082, in latitude $66^{\circ}54'01.56''$ N., longitude $162^{\circ}35'18.2''$ W., I take a series of altitude observations upon the sun for azimuth, each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and turning horizontal angles left from mark to sun.

No.	Observation	Vertical Angle	Horizontal Angle	Time 165° Mer.
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1	D	$36^{\circ}04'00''$	$192^{\circ}54'00''$	8:42 a.m.
	R	$36^{\circ}07'30''$	$191^{\circ}39'30''$	
	Mean	$36^{\circ}05'15''$	$192^{\circ}16'15''$	
2	D	$36^{\circ}07'30''$	$192^{\circ}45'00''$	
	R	$36^{\circ}04'00''$	$191^{\circ}46'30''$	
	Mean	$36^{\circ}05'45''$	$192^{\circ}15'45''$	
3	D	$36^{\circ}13'00''$	$192^{\circ}27'30''$	
	R	$35^{\circ}56'00''$	$192^{\circ}17'30''$	
	Mean	$36^{\circ}04'30''$	$192^{\circ}22'30''$	
4	D	$36^{\circ}15'30''$	$192^{\circ}19'00''$	8:49 a.m.
	R	$35^{\circ}51'30''$	$192^{\circ}27'30''$	
	Mean	$36^{\circ}03'30''$	$192^{\circ}23'15''$	

Course to mark 1st observation N. $45^{\circ} 59'00''$ W.

Course to mark 2nd observation N. $45^{\circ} 58'58''$ W.

Course to mark 3rd observation N. $45^{\circ} 59'22''$ W.

Course to mark 4th observation N. $45^{\circ} 58'40''$ W.

Mean of 4 a.m. observations N. $45^{\circ} 59'00''$ W.

Mean of 4 observations in afternoon of July 26, 1951 N. $45^{\circ} 59'22''$ W.

Mean of a.m. and p.m. observations N. $45^{\circ} 59' 11''$ W.

All lines are deflected from the true meridian and carried by fore and back sights.

The mean magnetic declination is $21^{\circ} 00'$ E.

Begin at Cor. No. 1, identical with Cor. No. 10, U. S. Survey No. 2082 which is monumented with an iron post, 1 in. diam., 12 ins. above ground, loosely set, mkd. and witnessed as described in the official record. I reset in identical location, 3 ins. above ground, and I mark NW. quadrant brass cap

S 2863 A
TR A
C 1

from which

U. S. Location Monument No. 2082 bears S. $45^{\circ}59'$ E., 4.9992 chs. (329.95 ft.) dist., and is monumented with an iron post, 2 ins. diam., 12 ins. above ground, loosely set, mkd. and witnessed as described in the official record. I reset firmly in identical location, 2 ins. above ground.

thence

S. $48^{\circ}03'$ W., on line 10-9, U. S. Survey No. 2082.

Over nearly level land with scattered willow and grass cover.

11 (931.33 ft.) Cor. No. 2, identical with Cor. No. 9, U. S. Survey No. 2082 and Cor. No. 6, U. S. Survey No. 2407 which is monumented with an iron post, 1 in. diam., 2 ins. above ground, firmly set, mkd. and witnessed as described in the official record. I mark N. half brass cap

S 2863 A
TR A
C 2

from which

Cor. No. 8, U. S. Survey No. 2082, identical with Cor. No. 1, U. S. Survey No. 2407, bears S. $46^{\circ}02'$ E., 5.9955 chs. (395.70 ft.) dist., and is monumented with an iron post, 1 in. diam., in mass of broken concrete, with brass cap missing, witnessed as described in the official record. At the point identical with the center of the original iron post,

Set a brass tablet, $3\frac{1}{4}$ ins. diam., $3\frac{1}{2}$ ins. stem, in mass of concrete, 8 ins. sq., 18 ins. long, 12 ins. below ground surface, mkd.

(395.70 ft.) Cor. No. 3, identical with Cor. No. 5, U. S. Survey No. 2407, which is monumented with a brass rod, $\frac{1}{4}$ in. diam., in mass of concrete, 2 ins. below ground, firmly set, mkd. and witnessed as described in the official record. It is not possible to mark this monument legibly for this survey.

Record bearing and distance, N. $44^{\circ}05'$ E., 6.00 chs.

S. $46^{\circ}02'$ E.

On line 5-4, U. S. Survey No. 2407.

(178.21 ft.) Cor. No. 4, identical with Cor. No. 4, U. S. Survey No. 2407, which is monumented with a brass rod, $\frac{1}{4}$ in. diam., in mass of concrete, 6 ins. below ground, firmly set, mkd. and witnessed as described in the official record. It is not possible to mark this monument legibly for this survey.

Record bearing and distance, N. $45^{\circ}55'$ W., 2.70 chs.

N. $24^{\circ}00'$ E.

On line 4-3, U. S. Survey No. 2407.

(171.53 ft.) Cor. No. 5, identical with Cor. No. 3, U. S. Survey No. 2407, which is monumented with a brass rod $\frac{1}{4}$ in. diam., in concrete mass, 6 ins. below ground, firmly set, mkd. and witnessed as described in the official record. It is not possible to mark this monument legibly for this survey.

Record bearing and distance, S. $44^{\circ}05'$ W., 2.60 chs.

S. $45^{\circ}58'30''$ E.

On line 3-2, U. S. Survey No. 2407.

(217.42 ft.) Cor. No. 6, identical with Cor. No. 2, U. S. Survey No. 2407, which is monumented with a brass rod, $\frac{1}{4}$ in. diam., in concrete mass, 4 ins. below ground, firmly set, mkd. and witnessed as described in the official record. It is not possible to mark this monument for this survey.

from which

Cor. No. 1, U. S. Survey No. 2407, identical with Cor. No. 8, U. S. Survey No. 2082, bears N. $44^{\circ}01'$ E., 3.40 chs. (224.40 ft.) dist.

Record bearing and distance, line 2-3, U. S. Survey No. 2407, N. $45^{\circ}55'$ W., 3.30 chs.

from which

The most southerly cor. of U. S. Marshal's office bears
N. 25°19' E., 99 ft. dist.

The most easterly cor. of Pentecostal Church bears
S. 86°03' W., 37 ft. dist.

No evidence is found of pits as described in the official record.

Bury the original iron post, alongside.

Record bearing and distance, line 7-8, U. S. Survey No. 2082,
N. 44°05' E., 12.92 chs.

S. 45° 59' E.

On line 7-6, U. S. Survey No. 2082

(590.05 ft.) Cor. No. 8, identical with Cor. No. 6, U. S. Survey No. 2082, which is monumented with an iron post, 2 ins. diam., 16 ins. above ground, loosely set, with brass cap mkd. and witnessed as described in the official record. The record monument is an iron post, 1 in. diam. I re-establish original monument at identical location, 3 ins. above ground, and mark S. half brass cap

S 2863 A

TR A

C 8

from which

Center of beacon light on radio tower bears N. 62°44' E.

Record bearing and distance, line 6-7, U. S. Survey No. 2082,
N. 45° 55' W., 8.94 chs.

N. 44° 01' E.

On line 6-5, U. S. Survey No. 2082.

(876.49 ft.) Cor. No. 9, identical with Cor. No. 5, U. S. Survey No. 2082, which is monumented with an iron post, 1 in. diam., 6 ins. below surface of gravelled airplane runway, with brass cap mkd. as described in the official record. I mark S. half brass cap

S 2863 A

TR A

C 9

(1668.72 ft.) Witness meander Cor. No. 10, identical with witness meander Cor. No. 4, U. S. Survey No. 2082, and witness meander Cor. No. 10, U. S. Survey No. 2645, which is monumented with an iron post, 1 in. diam., 6 ins. above ground, firmly set, mkd. and witnessed as described in the official record. I mark NW. quadrant brass cap

W C
S 2863 A
TR A
C 10

from which

Center of beacon light bears N. 43° 01' 30" E.

(1688.52 ft.) True point for meander Cor. No. 10, identical with meander Cor. No. 4, U. S. Survey No. 2082, and meander Cor. No. 10, U. S. Survey No. 2645; impracticable to monument this point due to liability to destruction by tidal action and ice.

Record bearing and distance, line 4-5, U. S. Survey No. 2082, N. 45° 55' W., 25.60 chs.

Thence with meanders of the NW. shore of a salt-water lagoon at line of mean high tide.

S. 56° 32' W., 11.26 chs. (743.16 ft.)

S. 76° 49' W., 7.21 chs. (475.86 ft.)

S. 41° 07' 30" W., 5.0802 chs. (335.29 ft.) to true point for meander Cor. No. 11, identical with meander Cor. No. 9, U. S. Survey No. 2645; impracticable to monument due to liability to destruction by tidal action and ice.

S. 72° 48' W.

On line 9-8, U. S. Survey No. 2645.

(42.24 ft.) Witness meander Cor. No. 11, identical with witness meander Cor. No. 9, U. S. Survey No. 2645, which is monumented with an iron post, 1 in. diam., 12 ins. above loose ground surface, mkd. as described in the official record. I build mound of stone, 3 ft. base to top of post and I mark N. half brass cap

W C
S 2863 A
TR A
C 11

(1719.96 ft.) From this point, a point on the SE. shore of lake bears N. 17° W., 30 ft. dist.

(1919.94 ft.) The most southerly point on shore of lake.

(2515.99 ft.) Center line of new Municipal Airport runway, 150 ft. wide, course S. 78° 14' E.

(2537.30 ft.) Witness meander Cor. No. 12, identical with witness meander Cor. No. 8, U. S. Survey No. 2645, which is monumented with an iron post, 1 in. diam., flush with ground at end of runway, firmly set and mkd. as described in the official record. I mark NE. quadrant brass cap

W C
S 2863 A
TR A
C 12

from which

Center of beacon light, bears N. 55° 33' 30" E.

Descend 10 ft. over gravel bank.

(2574.26 ft.) True point for meander Cor. No. 12, identical with meander Cor. No. 8, U. S. Survey No. 2645, impracticable to monument due to liability to destruction by tidal action and ice.

Record bearing and distance, line 8-9, U. S. Survey No. 2645, N. 72° 45' E., 39.09 chs.

Thence with meanders of the shore of Kotzebue Sound at line of mean high tide.

Along gravel shore.

N. 21° 19' E., 13.4839 chs. (889.94 ft.)

N. 21° 46' E., 15.9736 chs. (1054.26 ft.)

N. 21° 41' E., 13.1215 chs. (866.02 ft.)

N. 26° 35' E., 6.1621 chs. (406.70 ft.)

N. 36° 49' E., 4.3744 chs. (288.71 ft.)

N. 47° 05' E., 9.8685 chs. (651.32 ft.)

N. 49° 17' E., 3.4383 chs. (226.93 ft.)

N. 52° 03' E., 2.5977 chs. (171.45 ft.)

M C

W C
S 2082
C 11

W C
S 2863 A
TR A
C 13

1932

from which

U. S. Coast and Geodetic Station "Kotzebue Astro" bears
N. $59^{\circ}36'$ S., 22.65 ft. dist. and is monumented with a
brass tablet $3\frac{1}{4}$ ins. diam., 2 ins. below ground surface,
mkd. "Kotzebue Astro 1949"

The most westerly cor. of frame house bears S. $22\frac{3}{4}^{\circ}$ E.,
 $15\frac{1}{2}$ ft. dist.

The most northerly cor. of log cabin bears S. $18\frac{1}{2}^{\circ}$ W.,
 $25\frac{1}{2}$ ft. dist.

(L. & 2 ft.) Cor. No. 1 and place of beginning, containing 131.07
acres.

TRACT B

Begin at Cor. No. 1, identical with Cor. No. 3, U. S. Survey No. 2645,
on line 9-10, U. S. Survey No. 2083, which is monumented with an iron
post, 1 in. diam., 6 ins. above ground, firmly set, mkd. and wit-
nessed as described in the official record. I mark NE. quadrant
brass cap

S 2863 A
TR B
C 1

from which

U. S. Location Monument No. 2082, bears S. $56^{\circ}03'30''$ W.
23.6494 chs. (1560.86 ft.) dist.

Thence

N. $46^{\circ}02'$ W.

On line 10-9, U. S. Survey No. 2083.

Record course and distance, Cor. No. 3, U. S. Survey No. 2645 to witness meander Cor. No. 9, U. S. Survey No. 2083, given in the field notes of U. S. Survey No. 2645 as N. $46^{\circ}01'$ W., 8.50 chs.

Thence with meanders of the shore of Kotzebue Sound at line of mean high tide.

Along gravel shore.

N. $51^{\circ} 53'$ E., 3.7164 chs. (245.28 ft.)

N. $63^{\circ} 51'$ E., 5.5200 chs. (364.32 ft.)

N. $74^{\circ} 45'$ E., 4.9930 chs. (329.54 ft.)

S. $84^{\circ} 16'$ E., 5.6985 chs. (376.10 ft.) To true point for meander Cor. No. 3, identical with meander Cor. No. 4, U. S. Survey No. 2645; impractical to monument due to liability to destruction by tidal action and ice.

S. $44^{\circ} 05'$ W.

On line 4-3, U. S. Survey No. 2645.

(32.34 ft.) Witness meander Cor. No. 3, identical with witness meander Cor. No. 4, U. S. Survey No. 2645, which is monumented with an iron post, 1 in. diam., 6 ins. above ground, firmly set and mkd. as described in the official record. I mark W. half brass cap

W C
S 2863 A
TR B
C 3

No bearings available.

(1101.41 ft.) Cor. No. 1 and place of beginning, containing 10.74 acres.

Record bearing and distance, N. $44^{\circ} 05'$ E., 16.71 chs.

1951

from which

U. S. Location Monument No. 2082 bears N. $55^{\circ}50'$ E., 11.8623 chs. (782.91 ft.) dist.

Cor. No. 8, U. S. Survey No. 2082, identical with Cor. No. 1, U. S. Survey No. 2407, hereinbefore described, bears S. $0^{\circ}38'$ E., 3.4589 chs. (228.29 ft.) dist.

The most easterly cor. of Reindeer Service office bears N. $88^{\circ}30'$ W., 0.26 chs. (17.16 ft.) dist.

Thence

S. $44^{\circ}01'$ W,

Along NW. edge of graded street.

(132.00 ft.) Point for Cor. No. 2.

Set a brass tablet, $3\frac{1}{2}$ ins. diam., $3\frac{1}{2}$ ins. stem, in concrete block, 5x10x18 ins. long, top flush with ground surface, mkd.

S 2863 A

TR C

C 2



S 2082

1951

from which

The most southerly cor. of original house, bears N. 40° E., 15 lks. (9.9 ft.) dist.

N. $45^{\circ}59'$ W,

Over cleared land.

(74.91 ft.) Intersect SE. side of Quonset hut, 16x30 ft., longway N. 42° E., at a point N. 42° E., 4.6 ft. dist. from the most southerly corner.

(91.01 ft.) Intersect NW. side same building.

(92.40 ft.) Point for Cor. No. 3.

N. 44° 01' E.

Over level cleared land.

(132.00 ft.) Point for Cor. No. 4.

Set a brass tablet, $3\frac{1}{2}$ ins. diam., $3\frac{1}{2}$ ins. stem, in concrete block, 8x8x15 ins. long, top flush with ground surface, mkd.

S 2082

S 2863 A

TR C

C 4

1951

No bearings available and pits impracticable.

S. 45° 59' E.

Over cleared land on SW. edge of graded street.

(92.40 ft.) Cor. No. 1 and point of beginning, containing 0.28 acres.
(12,197 sq.ft.)

U. S. SURVEY NO. 2863 B

SUBDIVISION OF U. S. SURVEY NO. 2863 A

The subdivision of U. S. Survey No. 2863 A consists of surveying the street center lines and monumenting their intersections and angle points, and subdividing the blocks into lots and alleys.

All details as to bearings and lengths of street center lines, widths of streets, boundaries of blocks and lots, and areas of lots, are carried to the plat and are omitted in the field note record.

The intersections of street center lines and angle points are monumented with brass tablets, $3\frac{1}{2}$ ins. diam., $3\frac{1}{2}$ ins. stem, or brass rods, 1 in. diam., set in concrete, 12 ins. below ground surface, marked with a cross (x) for true point as shown on the plat. Where possible, the intersections of the street center lines with the town-site boundaries are monumented in the same manner and marked with the appropriate survey numbers on each side of the line.

All block and lot corners are marked on the ground with wooden stakes, 2x2x24 ins. long, driven 16 ins. in the ground and marked by lumber crayon with appropriate block and lot numbers.

WC

1951

ap, S2863 US GLOS, located on the

MC-MA

ndary of Lot 9, U.S. Survey 2863B,
wnsite of Kotzebue, Alaska

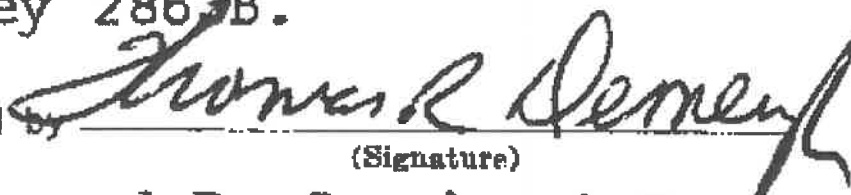
DESCRIPTION OF BEARING TREES, MOUND OF STONE, ETC.

erenced to two power poles; one
63 feet East and the other being
t West of the monument.

DESCRIPTION OF LOCATION TO ENABLE RECOVERY BY OTHERS.

s set in a five gallon can of concrete
d 0.4 feet under ground. It is located
et on a bearing of N79° 19'W from a
at common corner of Blocks 8, 9, 10,
5, U.S. Survey 2863B.

Reported by



(Signature)

~~Registered Professional Engineer~~

(Title)

as been made in strict conformity with said instructions, the Manual of Instructions for the
Public Lands of the United States, and in the specific manner described in the foregoing

Alaska
1952

John M. Short
John M. Short
Cadastral Engineer

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
JUN 18 1952
Washington, D. C., 19

going field notes of the survey of U. S. Survey No. 2863 A and B, Tracts A, B and
of Kotzebue and Dependent Resurvey of the lines of U. S. Surveys No.
3, 2407 and 2645 that are identical with the townsite boundary, situated
northeasterly shore of Kotzebue Sound at the northwest tip of Baldwin

John M. Short, Cadastral Engineer

critically examined and found correct, are hereby approved.

Earl G. Harrop
Chief, Division of Cadastral Engineering.

CERTIFICATE OF TRANSCRIPT

that the foregoing transcript of the field notes of the above-described surveys in Alaska
, is a true copy of the original field notes.

Chief, Division of Cadastral Engineering.